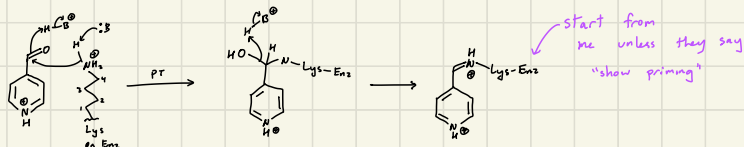
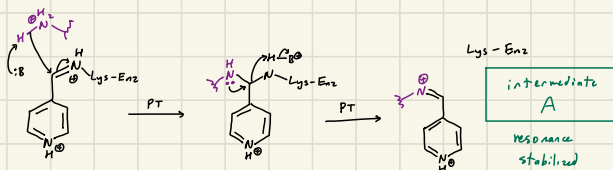


PLP Priming - attach to Enzyme (Step 0)



start from me unless they say "show priming"

Transaldimination - attach to substrate (Step 1)

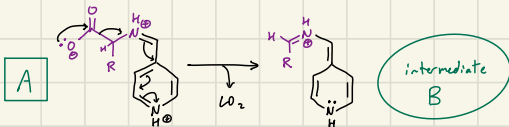


abbreviate unless they say to show

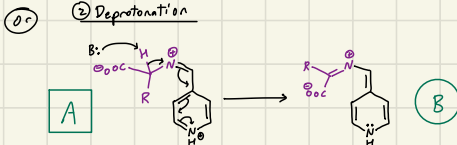
Step 2 Options

A → B

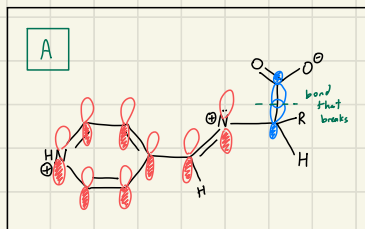
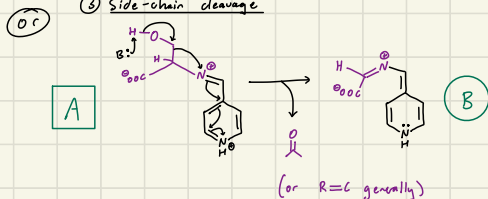
1 Decarboxylation



2 Deprotonation

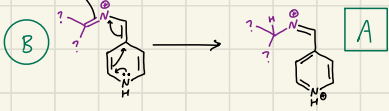


3 Side-chain cleavage



Step 3
Options

Protonation back

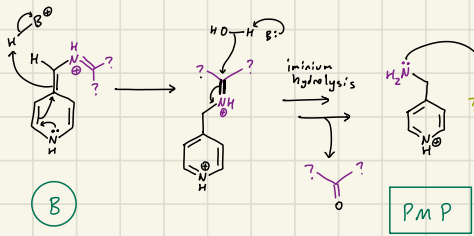


or any other e^- pushing w e^- sink, e.g. push off leaving group

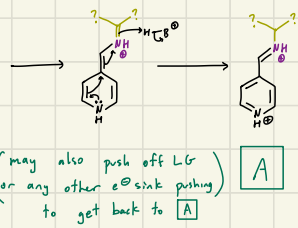


or Transamination - transfer N from ~~??~~ to ~~??~~

always abbreviate
iminium breaking/forming



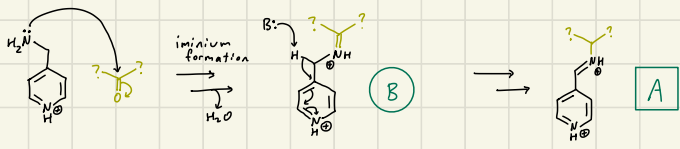
usually protonation back
to get from B to A



Note: some rxns may start

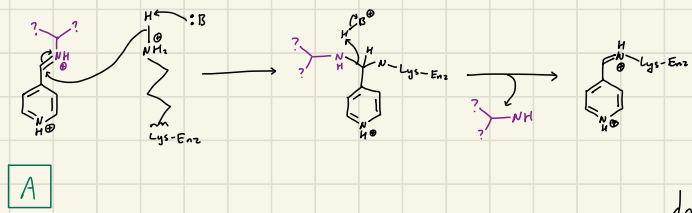
directly from PMP

Transamination - transfer N to ~~??~~



Transaldimination Part 2 - reattach to Enzyme (Step 4)

abbreviate unless
they say to show



done! :)

3.1
page →

SHMT w PLP

case study to memorize

